

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-16. (canceled)

1 17. (currently amended) A storage controller comprising:
2 a control portion connected to fabric connected to a fiber channel port contained
3 in an upper node device, wherein the control portion passes a packet via the fabric with the upper
4 node device; and
5 a control table containing a node name of the upper node device, a port name of
6 the fiber channel port, and a fiber channel port access enabled/disabled state, and when
7 connection status of the fiber channel port was changed in the upper node device, replacement of
8 the fiber channel port is detected by the storage controller on the basis of information notified
9 from the fabric, and the port name of the fiber channel port in the control table is replaced with a
10 port name of a new fiber channel port replacing the fiber channel port before the replacement,
11 and in case that the port name of the fiber channel port before replacement was access enabled, a
12 port name of the fiber channel after replacement is set to be access enabled in the control table,
13 and for a newly added fiber channel port, a node name of corresponding upper node device, a
14 port name of a fiber channel port of the newly added fiber channel port and security information
15 in which access disabled is set are registered in the control table; and
16 wherein said security information is added to the port name information so as to
17 constitute the fiber channel port configuration information of the upper node device.

1 18. (original) The storage controller as claimed in Claim 17, wherein the
2 storage controller detects a node name of the upper node device whose connection state to the
3 fiber channel port is changed, detects a port name of a fiber channel port to be connected to the
4 upper node device of that node name, compares the detected port name with the port name
5 contained in the control table, and if a first port name is not detected but stored and a second port

6 name is detected but not stored, then detects that the fiber channel port of the first port name is
7 replaced by the fiber channel port of the second port name.

1 19. (original) The storage controller as claimed in Claim 17, wherein the
2 control table is provided for each of the upper node devices.

20. (canceled)

1 21. (original) The storage controller as claimed in Claim 17, wherein when a
2 port name of a fiber channel port allowing access is entered, a node name of the upper node
3 device to which the fiber channel port allowing access is to be connected is detected, a port name
4 of the fiber channel port to be connected to the upper node device of that node name is detected,
5 and the control table is created containing the node name, the port name, and the entered access
6 enabled/disabled information.

22. (canceled)

1 23. (currently amended) The storage controller as claimed in claim 17,
2 wherein interface between the upper node device and the storage controller is a fiber channel
3 standardized by ANSI X3T11.

1 24. (original) The storage controller as claimed in Claim 17, wherein the a
2 storage device having a plurality of storage domains is connected to the storage controller and
3 the access enabled/disabled management is performed for each of the storage domains and each
4 of the fiber channel ports.

1 25. (currently amended) A computer system comprising:
2 at least one upper node device each having at least one fiber channel port;
3 a fabric connected to the fiber channel port for controlling packet transfer; and
4 a storage controller for passing a packet via the fabric with the upper node device,
5 wherein the storage controller has a control table containing a node name of the upper node
6 device, a port name of the fiber channel port, and an access enabled/disabled state of the fiber

7 channel port, and when connection status of the fiber channel port was changed in the upper
8 node device, replacement of the fiber channel port is detected by the storage controller on the
9 basis of information notified from the fabric, and the port name of the fiber channel port in the
10 control table is replaced with a port name of a new fiber channel port replacing the fiber channel
11 port before the replacement, and in case that the port name of the fiber channel port before
12 replacement was access enabled, a port name of the fiber channel after replacement is set to be
13 access enabled in the control table, and for a newly added fiber channel port, a node name of
14 corresponding upper node device, a port name of a fiber channel port of the newly added fiber
15 channel port and security information in which access disabled is set are registered in the control
16 table; and

17 wherein said security information is added to the port name information so as to
18 constitute the fiber channel port configuration information of the upper node device.

1 26. (Previously presented) The computer system as claimed in Claim 25,
2 wherein the storage device detects the node name of the upper node device where the fiber
3 channel port connection state has been changed, detects a port name of the fiber channel port to
4 be connected to the upper node device having the node name, and compares the detected port
5 name with the port name contained in the control table, and if the control table contains a first
6 port name not detected and does not contain a second port name detected, it is detected that the
7 fiber channel port of the first port name is replaced by the fiber channel port of the second port
8 name.

1 27. (Previously presented) The computer system as claimed in Claim 25,
2 wherein the control table is provided for each of the upper node devices.

1 28. (Previously presented) The computer system as claimed in Claim 25,
2 wherein when a port name of a fiber channel port allowing access is entered, the storage
3 controller detects a node name of the upper node device to which the fiber channel port allowing
4 access is to be connected, detects a port name of the fiber channel port to be connected to the

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5 upper node device of the node name, and creates the control table having the node name, the port
6 name, and access enabled/disabled information input.

1 29. (Previously presented) The computer system as claimed in Claim 25,
2 wherein interface between the upper node device and the storage controller is a fiber channel
3 standardized by ANSI X3T11.